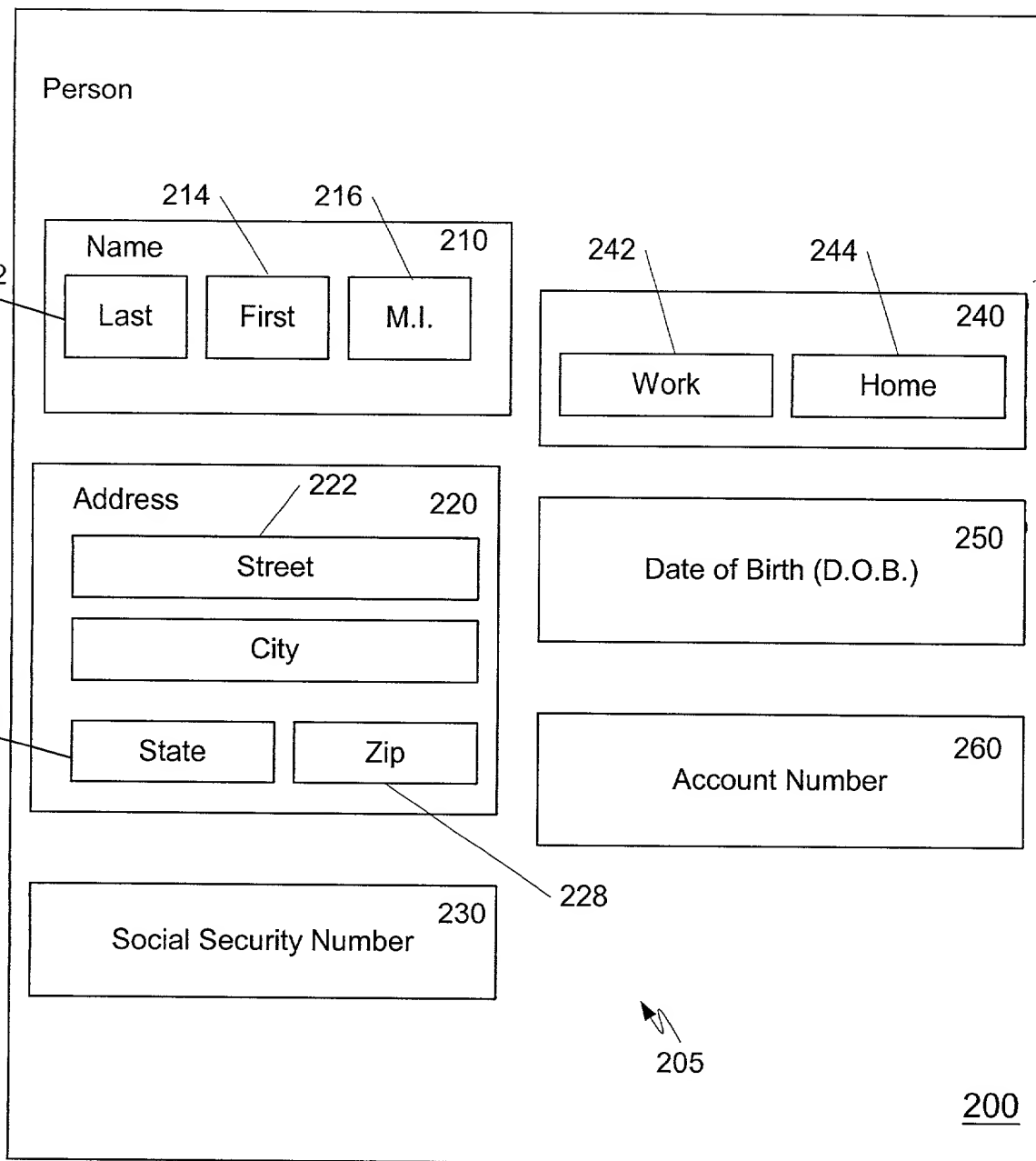
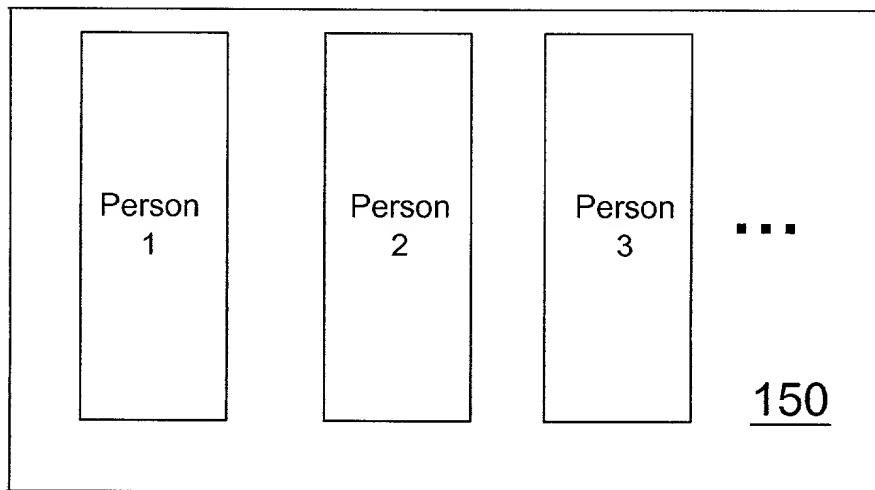


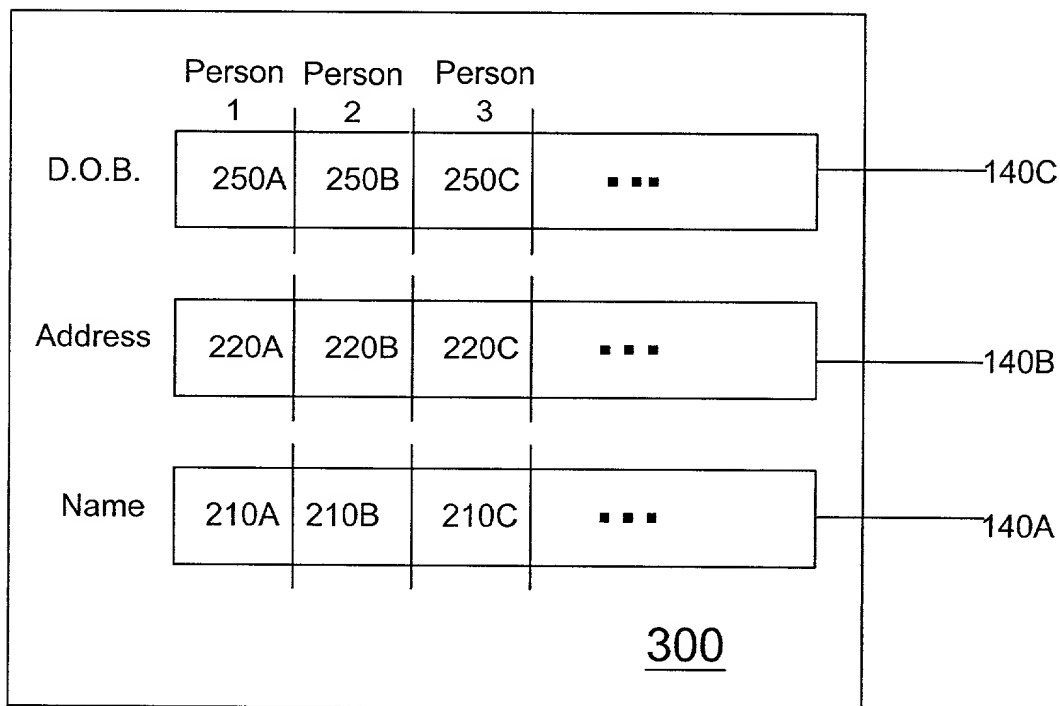
**FIG. 1**



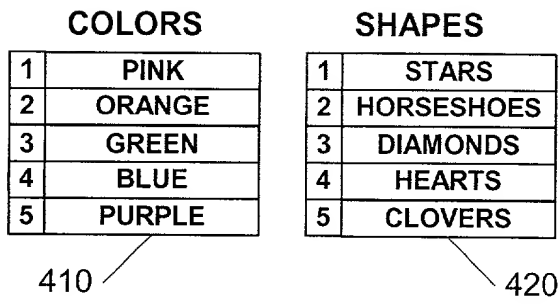
**FIG. 2**



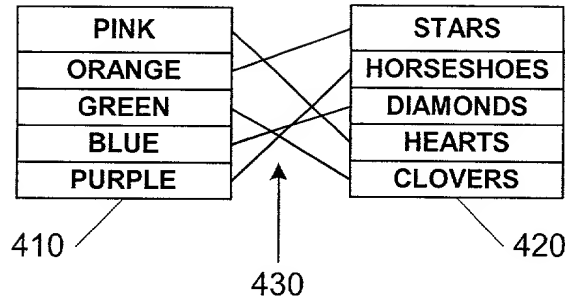
**FIG. 3A**



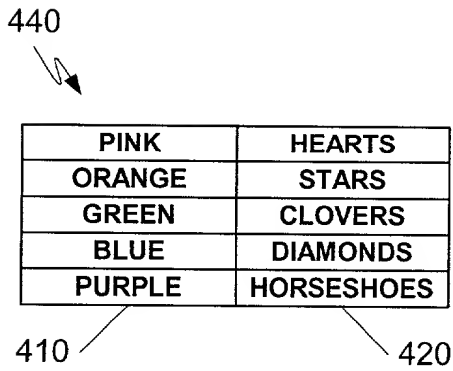
**FIG. 3B**



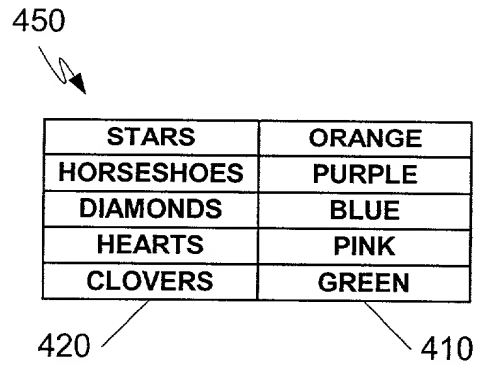
**FIG. 4A**



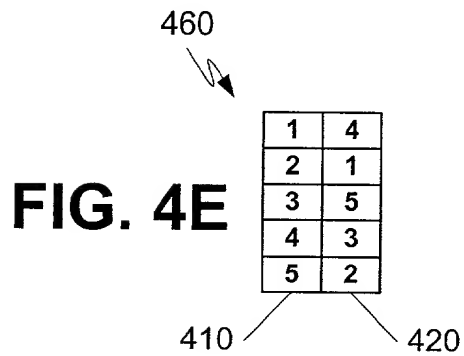
**FIG. 4B**



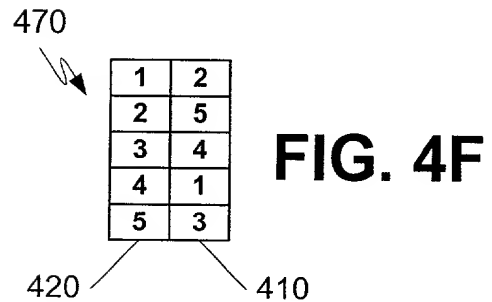
**FIG. 4C**



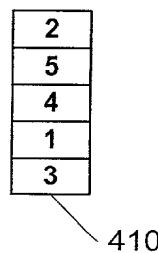
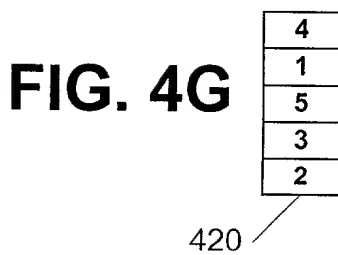
**FIG. 4D**



**FIG. 4E**



**FIG. 4F**



**FIG. 4H**

**FIG. 5**

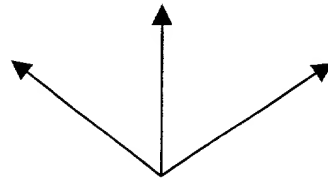
**One-to-One**



510



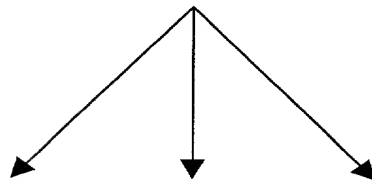
**Many-to-One**



520



**One-to-Many**



530



**Many-to-Many**



540



# FIG. 6

## MMX Files

### MMF

One to Many	
---	---
---	---
12	4
---	---
---	---
○ 24	151
○ 24	201
---	---
---	---
43	212
---	---
---	---
* 57	3
* 57	36
* 57	200
* 57	213
---	---
---	---
119	91
---	---
---	---
---	---
---	---

610

### MMR

Many to One	
---	---
---	---
3	57 *
4	12
---	---
---	---
36	57 *
---	---
---	---
91	119
---	---
---	---
151	24 ○
---	---
---	---
200	57 *
201	24 ○
---	---
---	---
212	43
213	57 *
---	---
---	---

620

# FIG. 7

## MMX Files

### MMF

Many to Many'			
	---	---	
	---	---	
	7	256	
*	8	38	+
*	8	21	
*	8	312	
	---	---	
	---	---	
	19	317	
	---	---	
	---	---	
	35	38	+
	36	70	
	---	---	
	---	---	
	58	38	+
	---	---	
	---	---	
○	112	71	
○	112	38	+
	113	316	
	---	---	
	---	---	

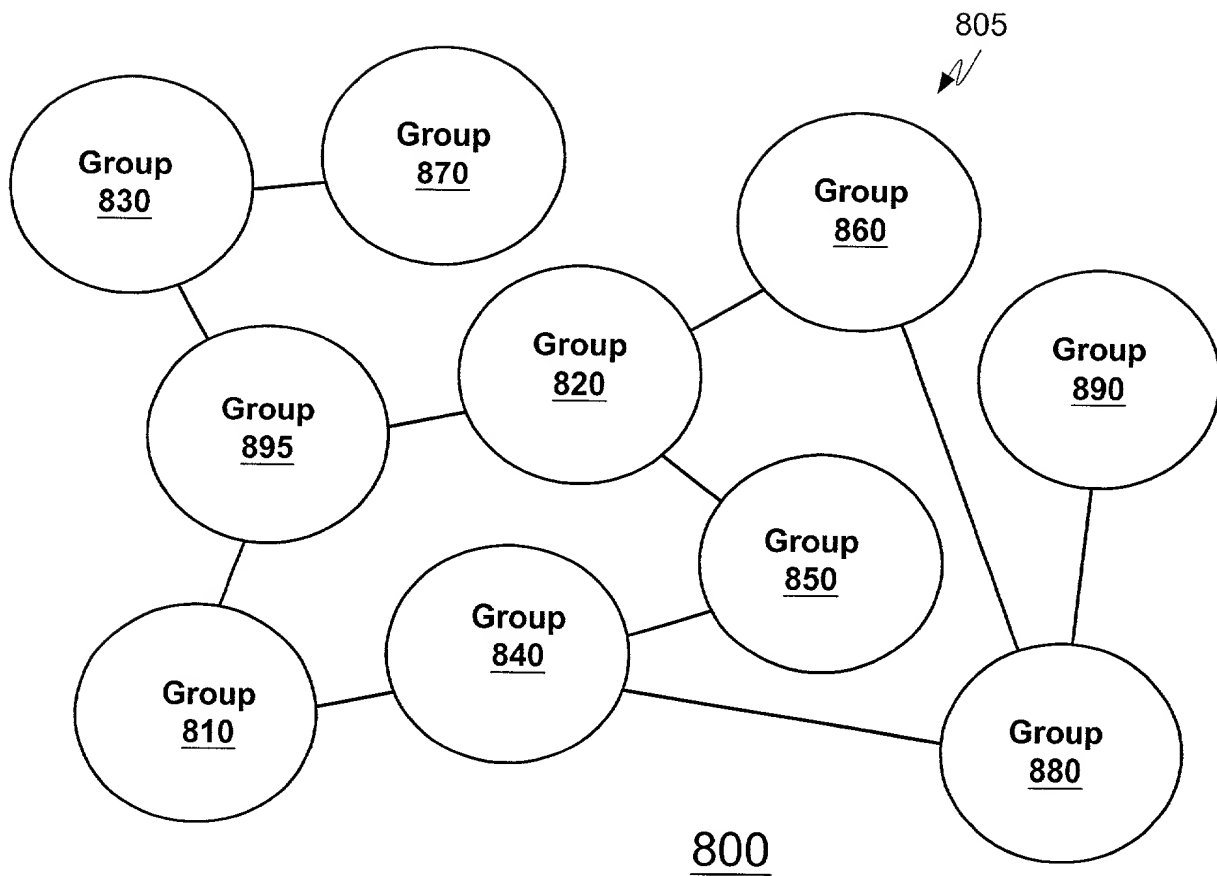
710

### MMR

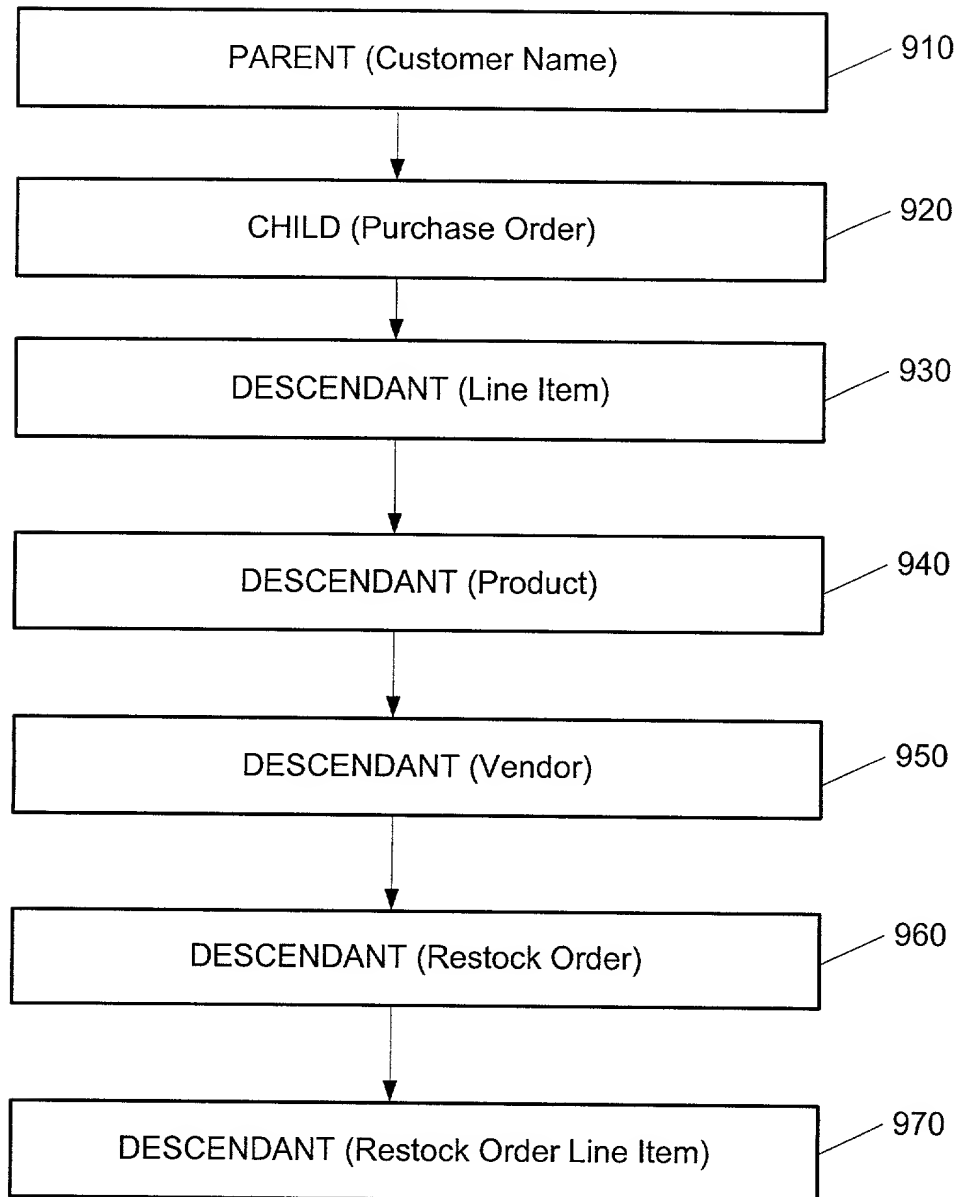
Many' to Many			
	---	---	
	---	---	
	21	8	*
	---	---	
	---	---	
+	38	8	*
+	38	35	
+	38	58	
+	38	112	○
	---	---	
	---	---	
	70	36	
	71	112	○
	---	---	
	256	7	
	---	---	
	---	---	
	312	8	*
	---	---	
	---	---	
	316	113	
	317	19	
	---	---	
	---	---	

720

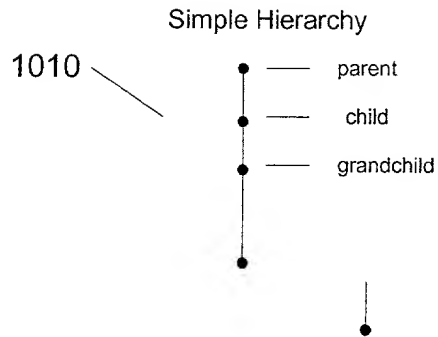
**FIG. 8**



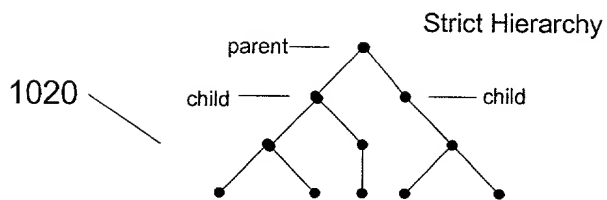




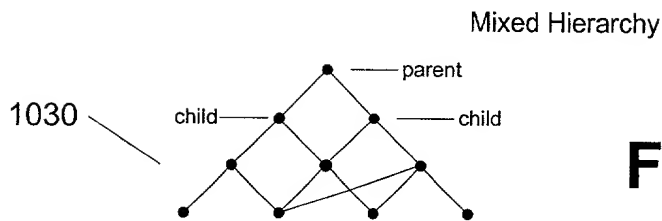
**FIG. 9**



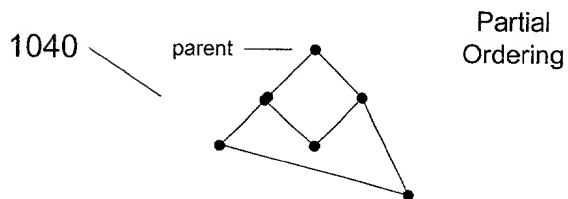
**FIG. 10A**



**FIG. 10B**

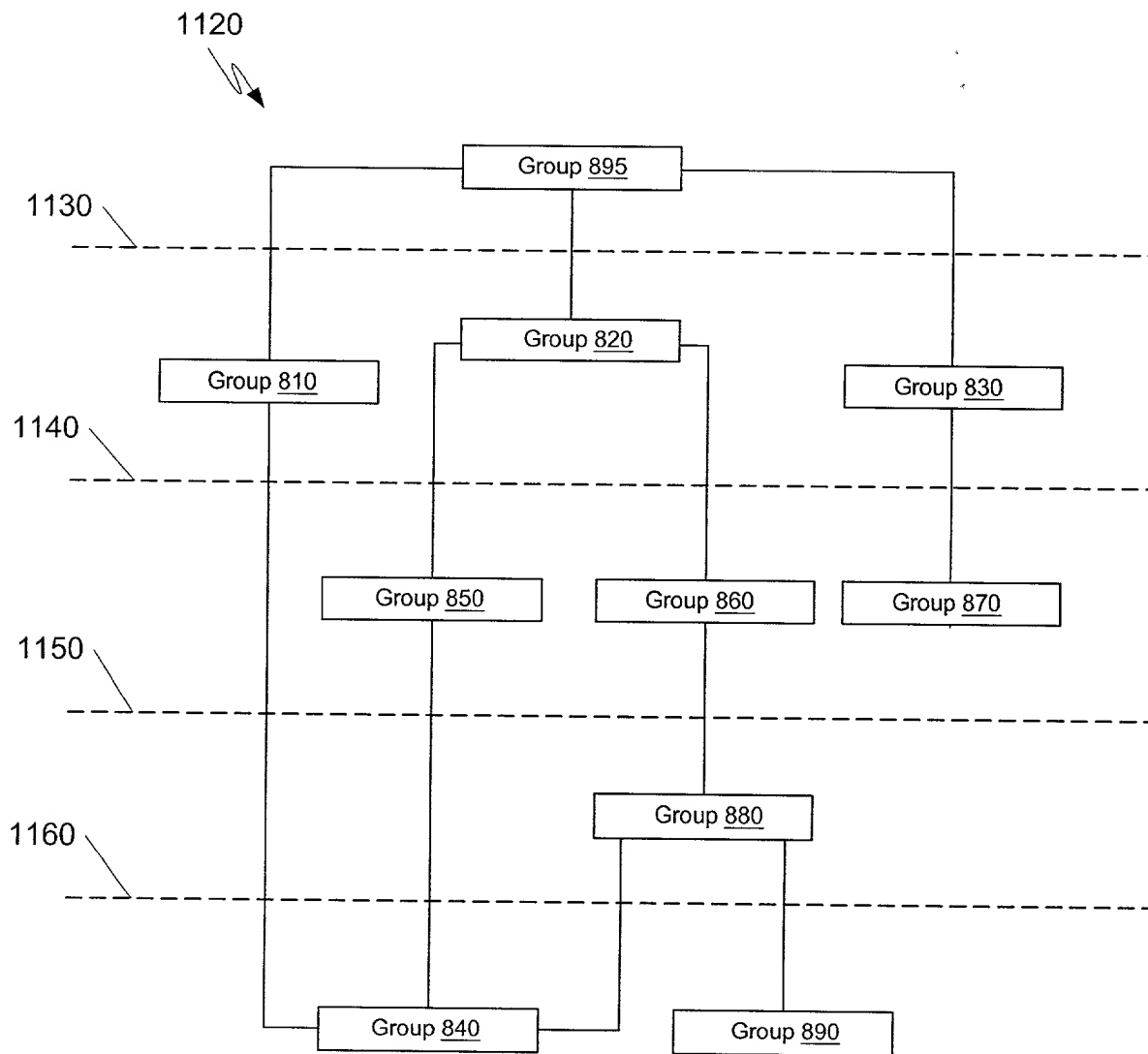


**FIG. 10C**



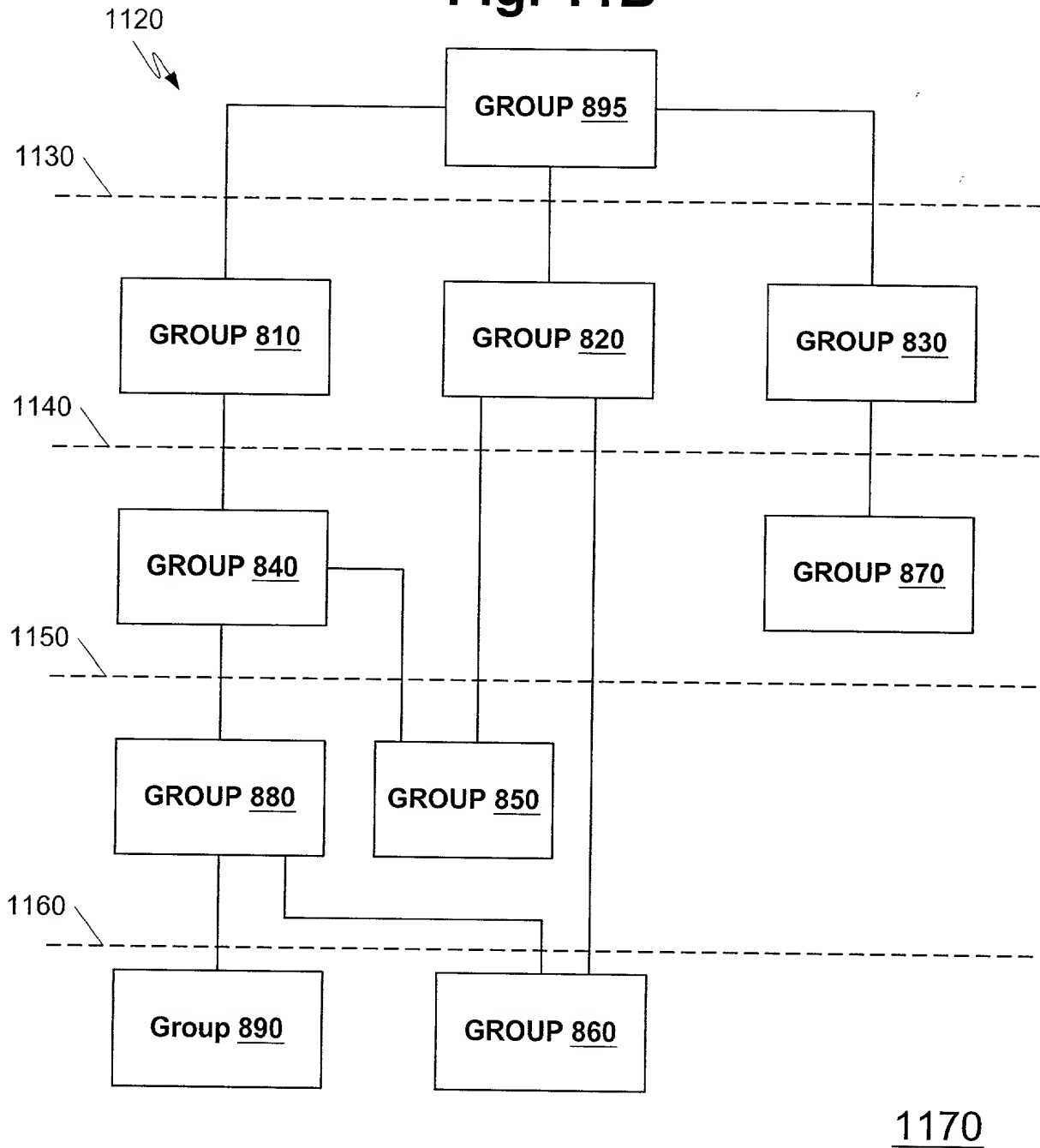
**FIG. 10D**

**Fig.11A**

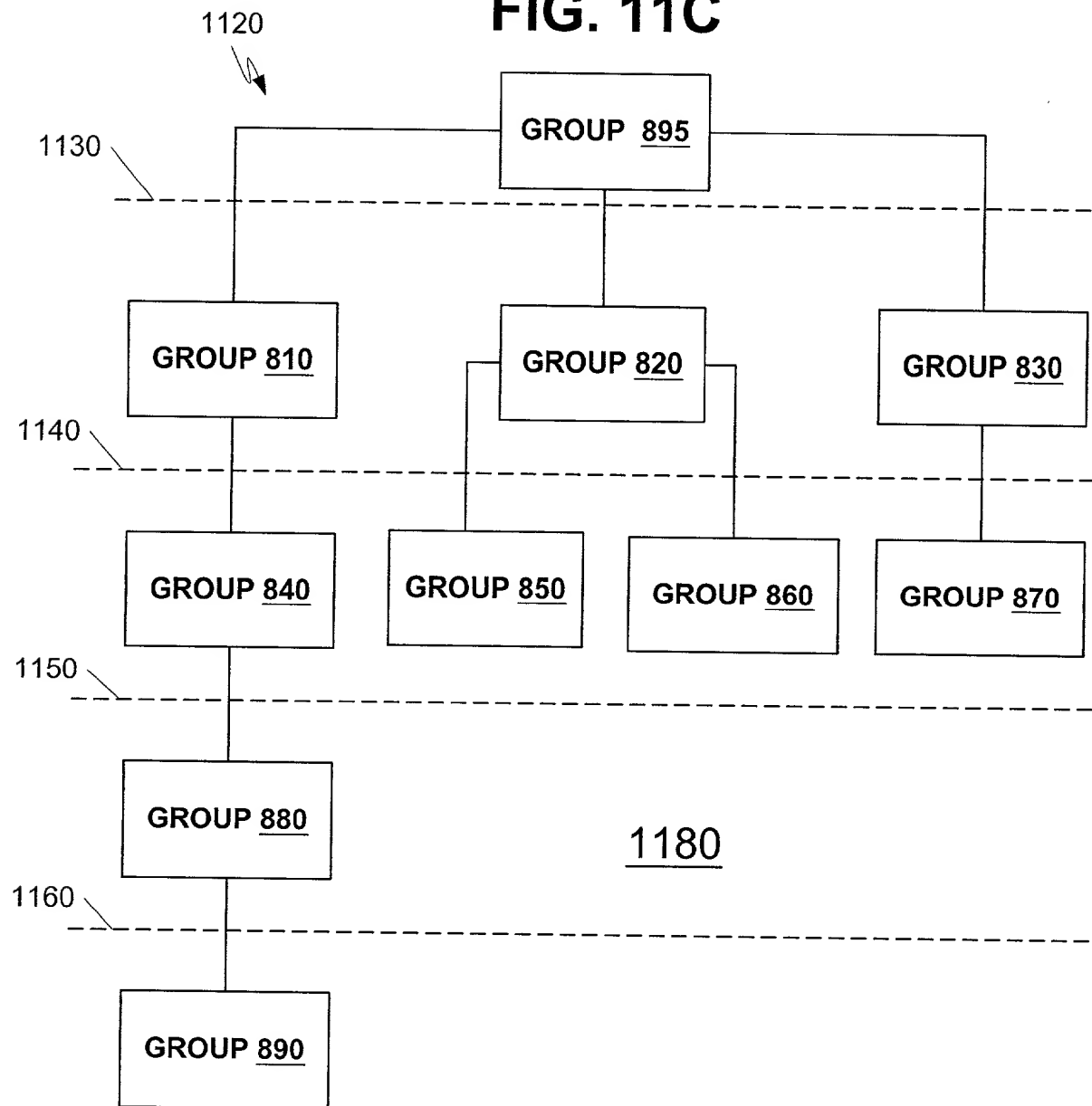


1110

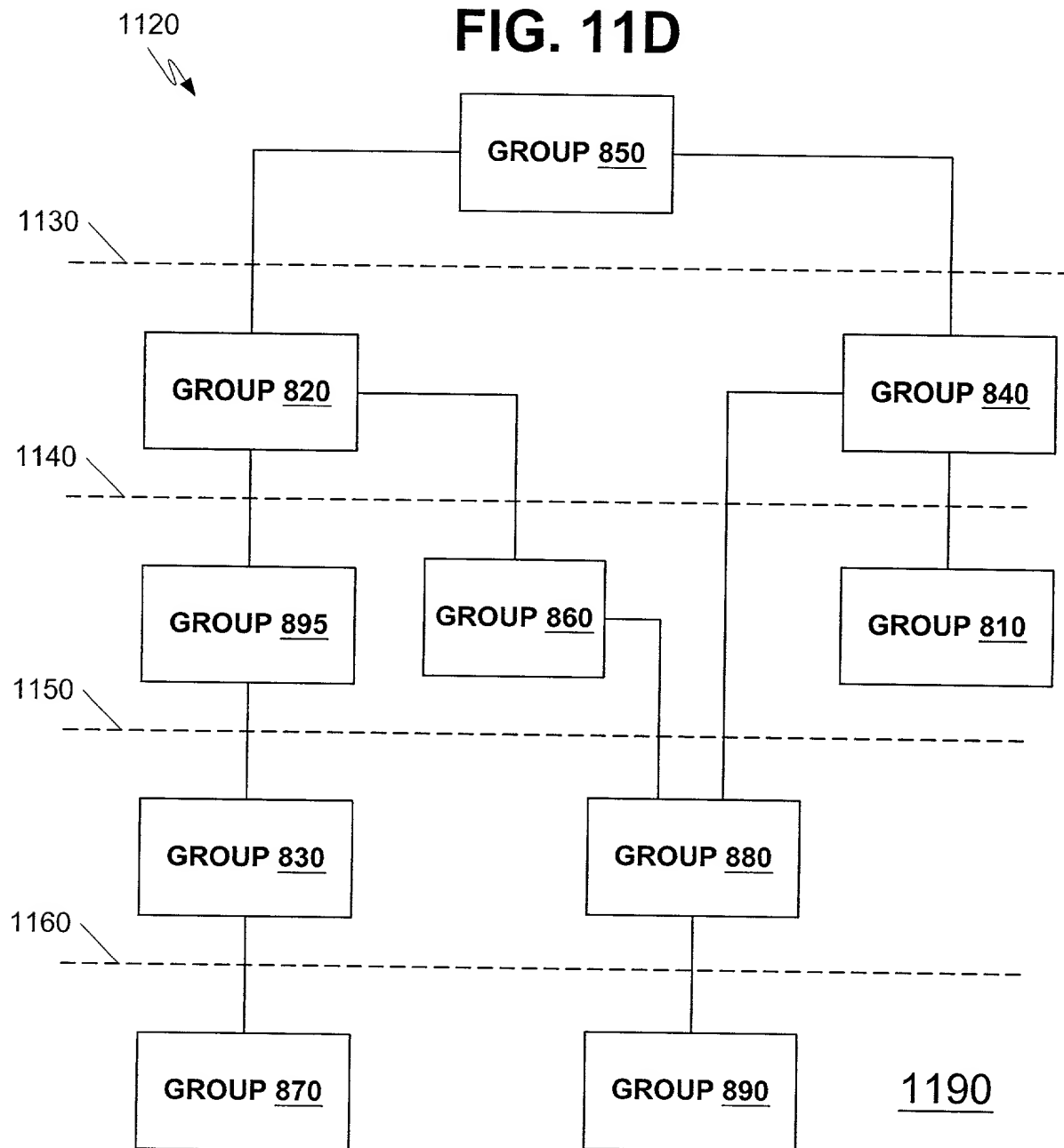
**Fig. 11B**



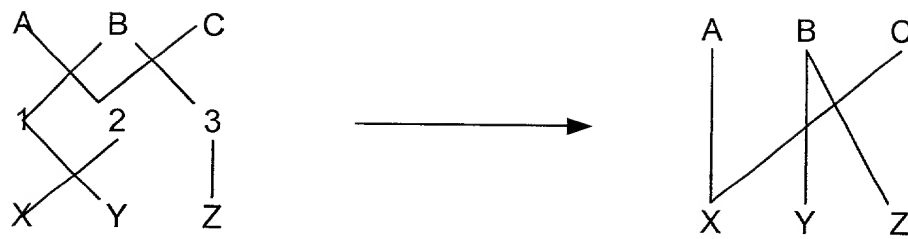
**FIG. 11C**

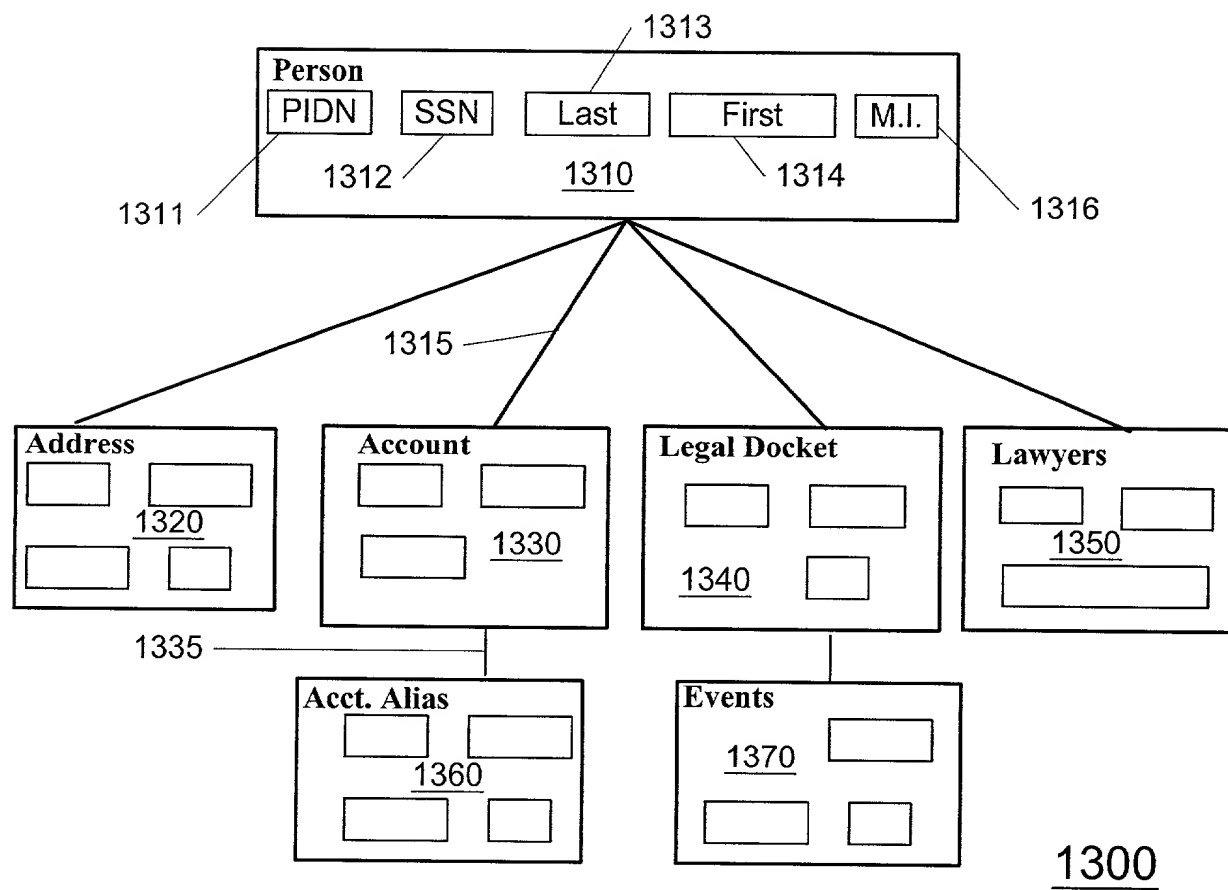


**FIG. 11D**



**Fig. 12**





**Fig. 13**



FIG. 14

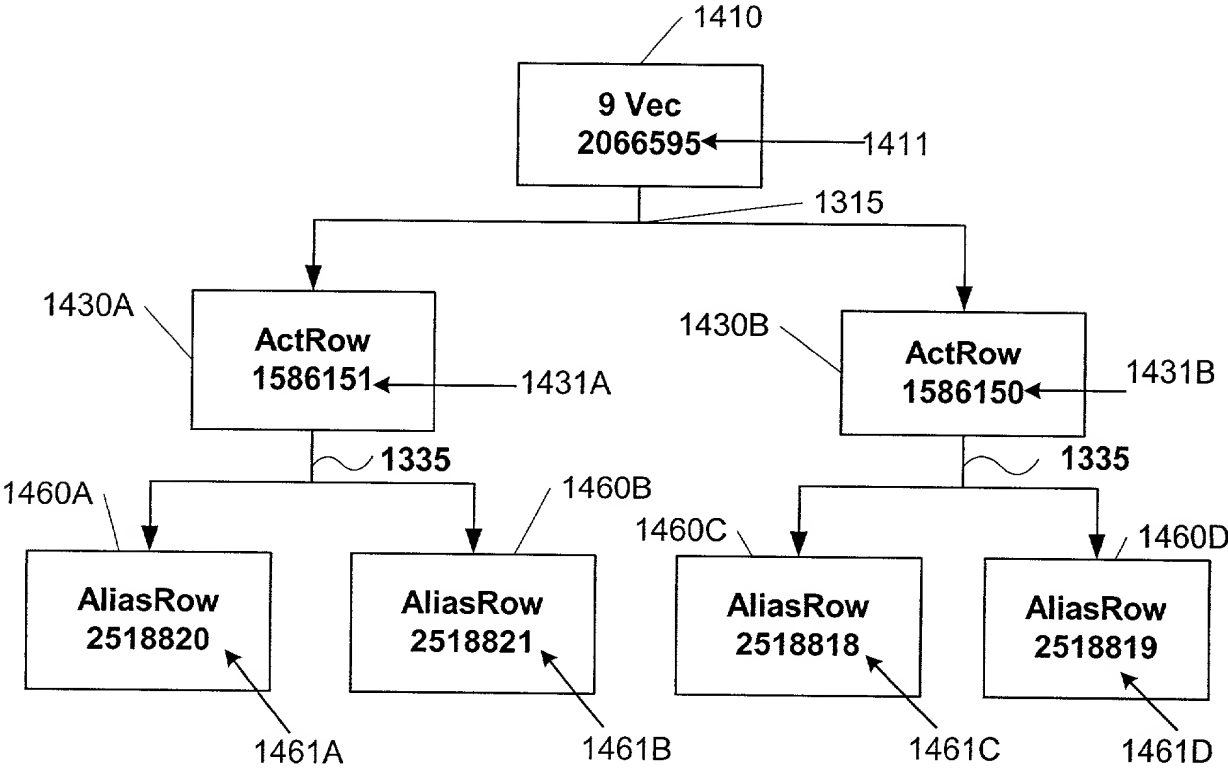


FIG. 15

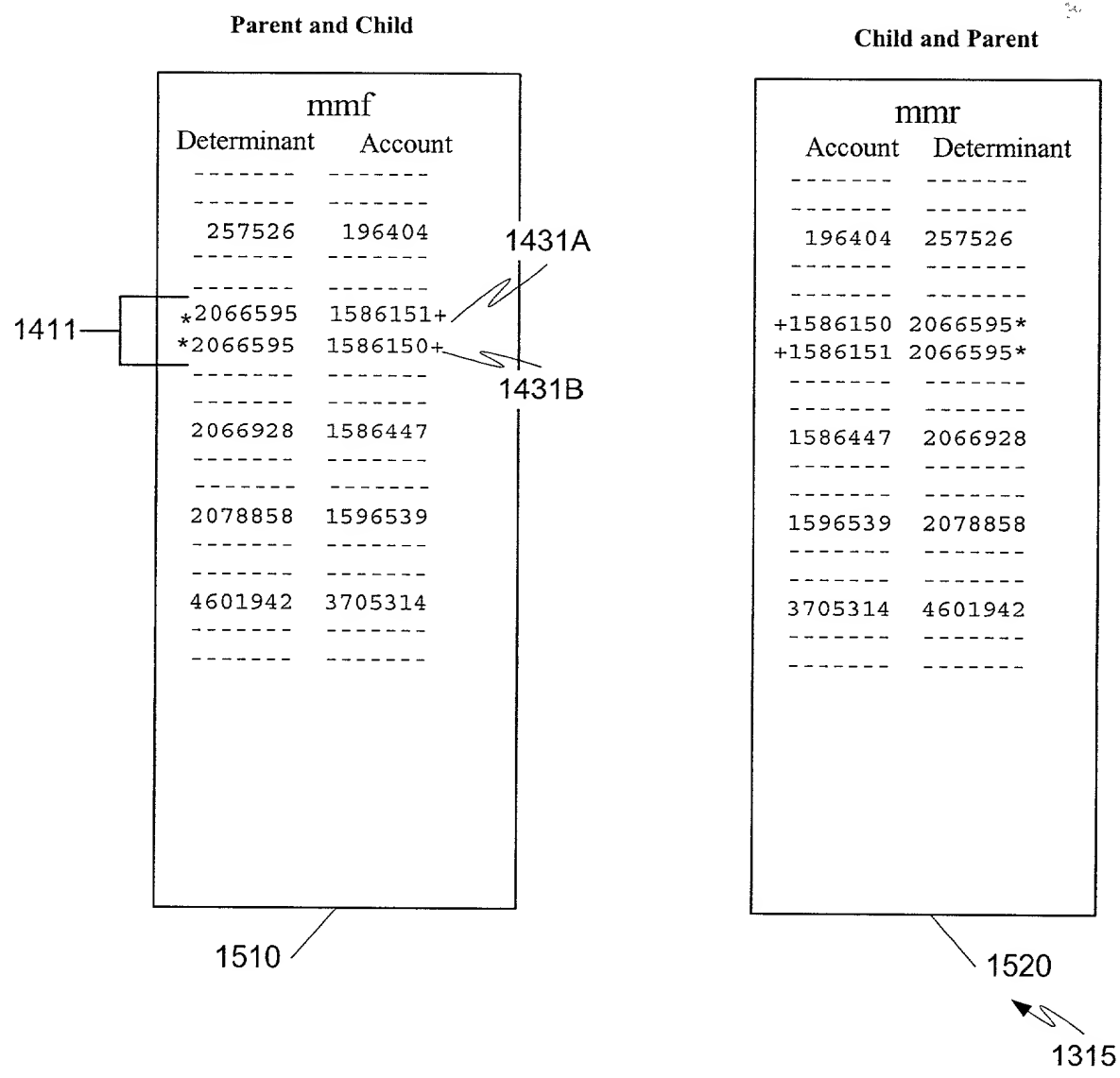
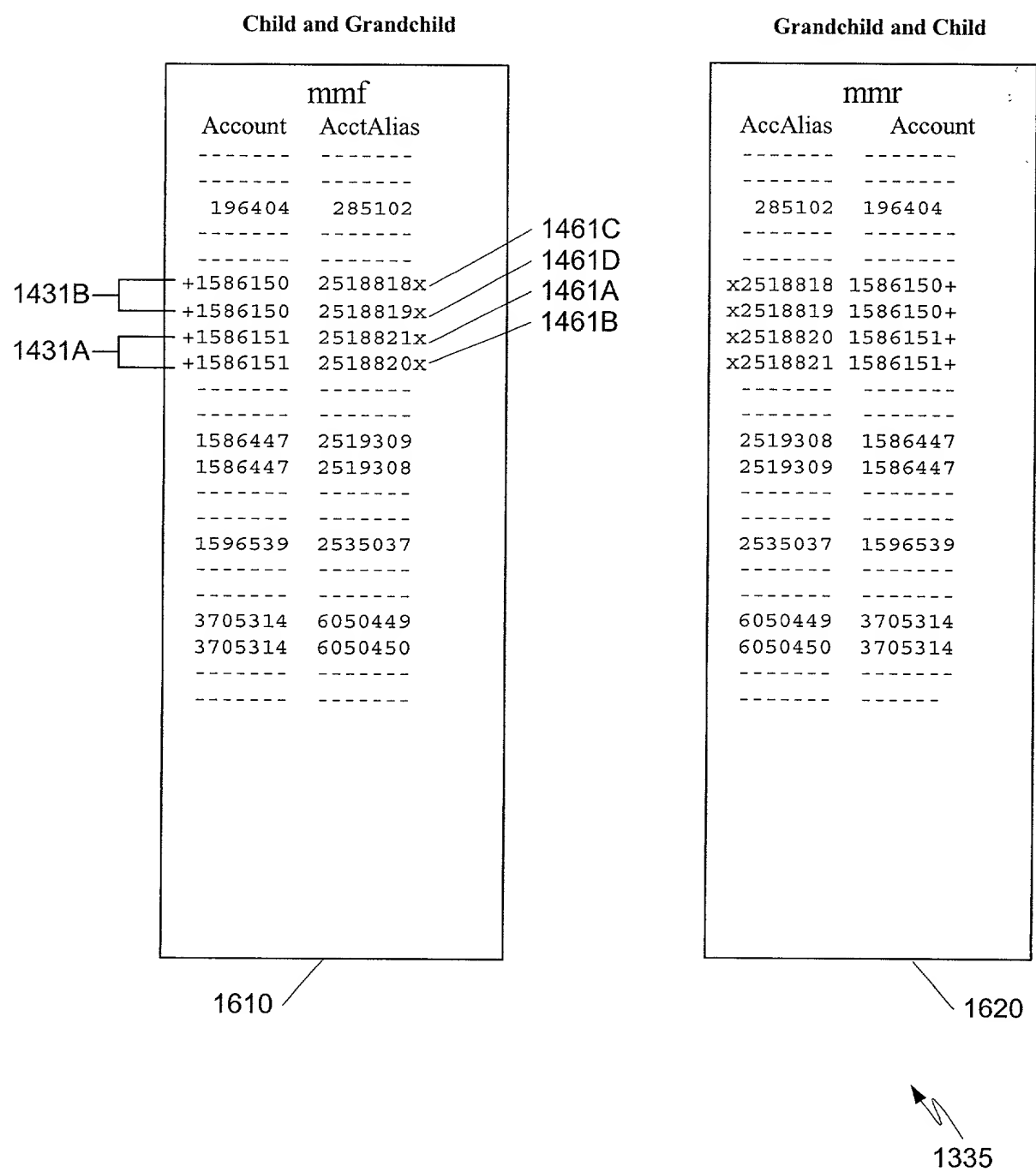
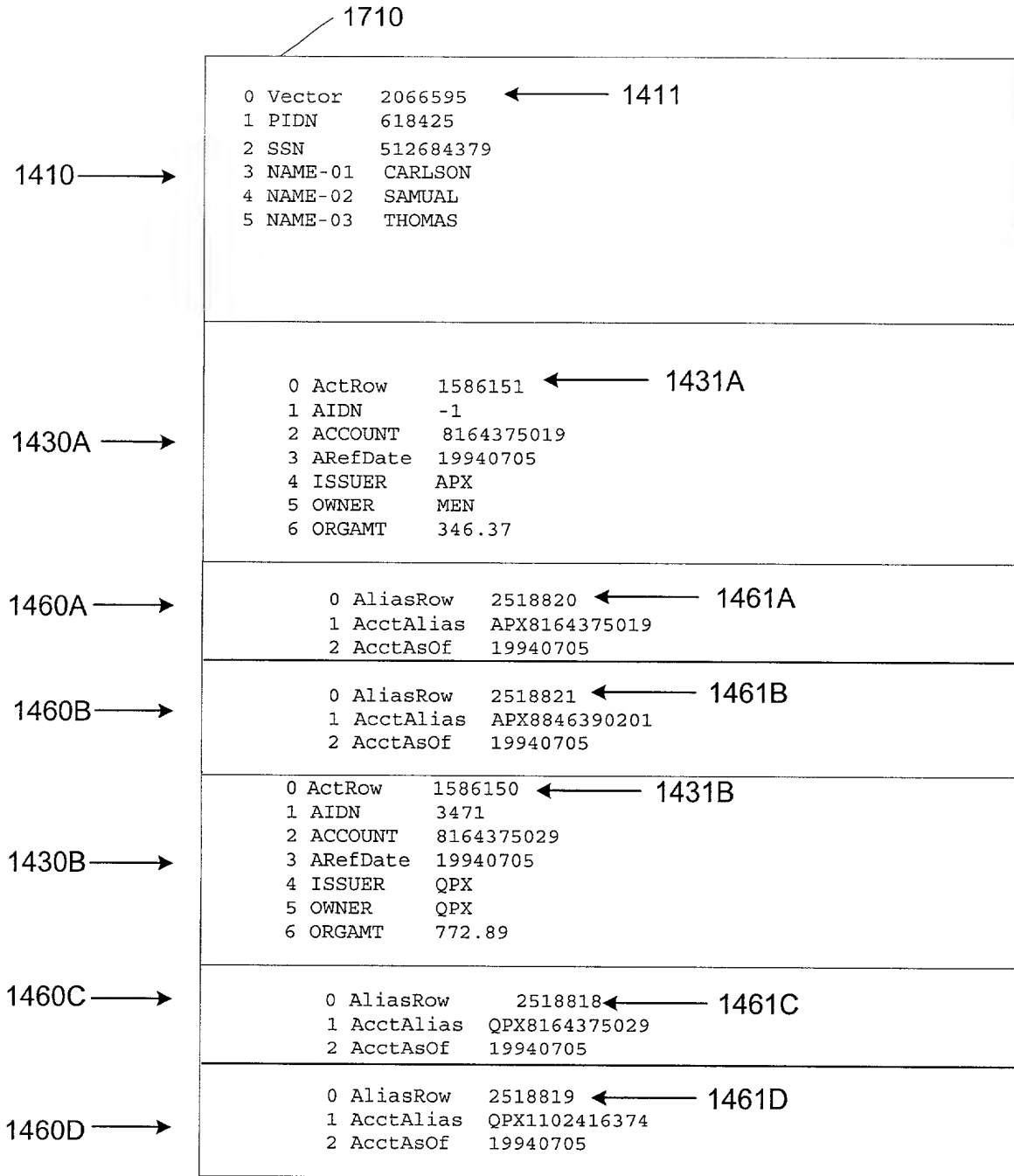
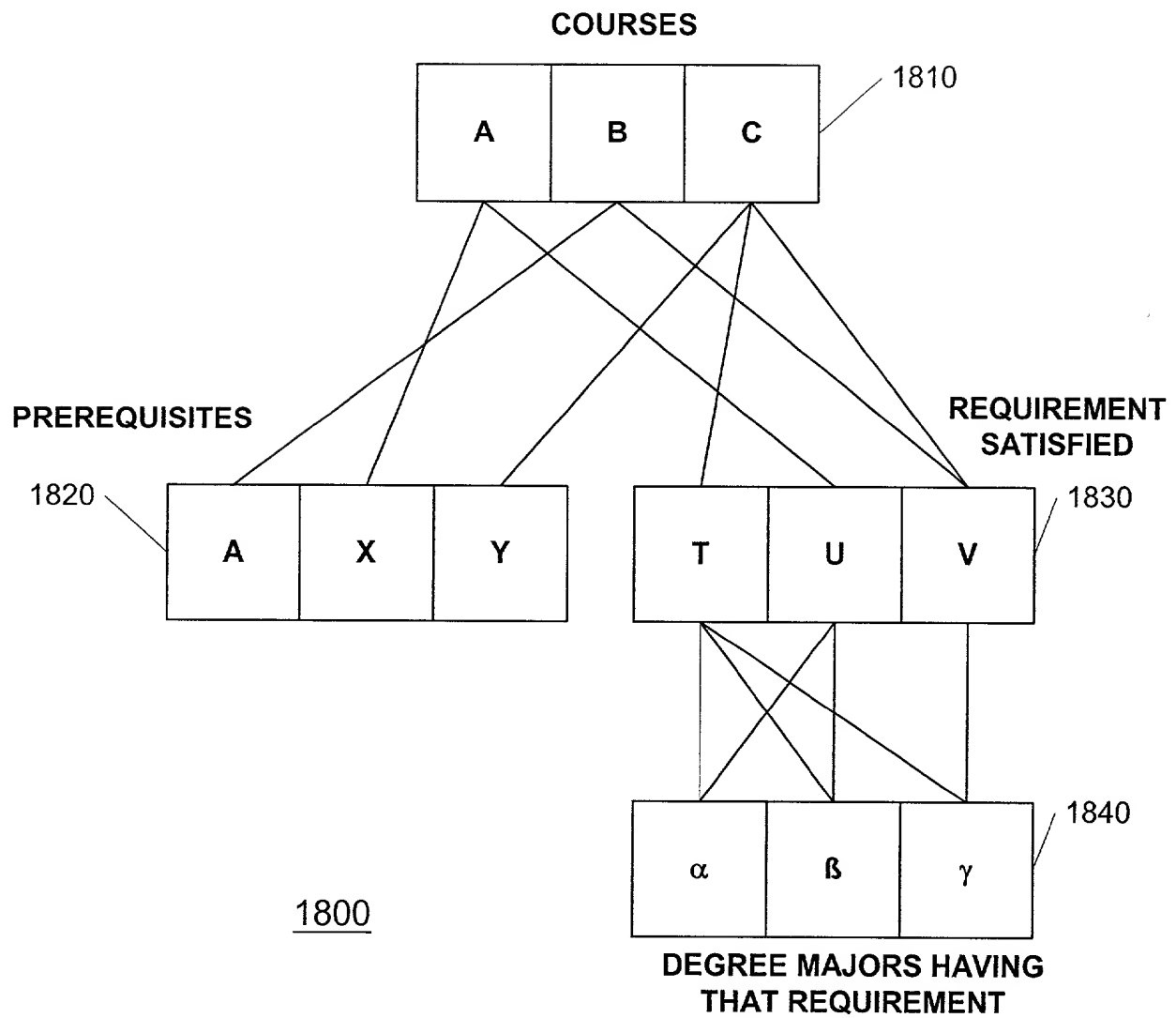


FIG. 16





**FIG. 17**



**FIG. 18**

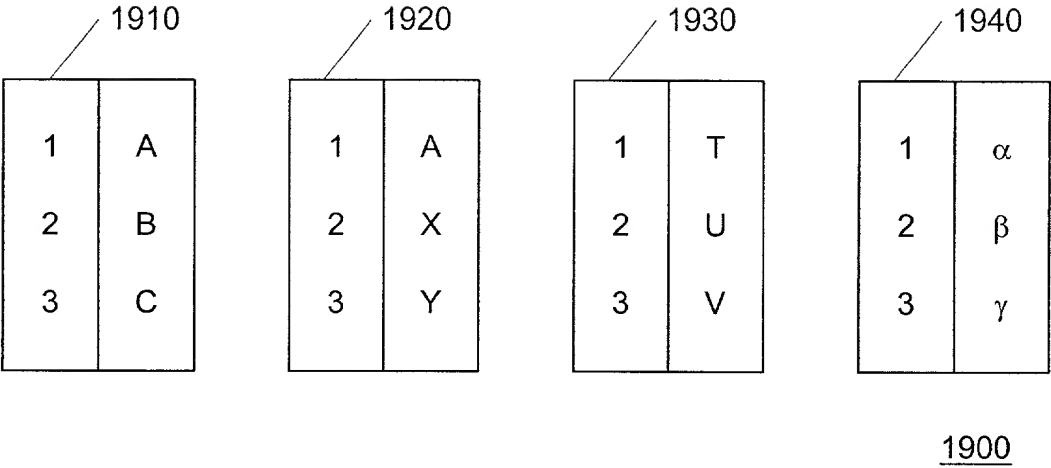


FIG. 19

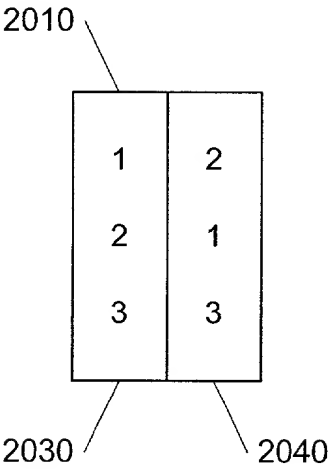


FIG. 20A

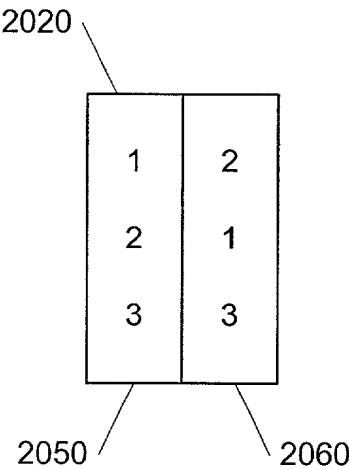
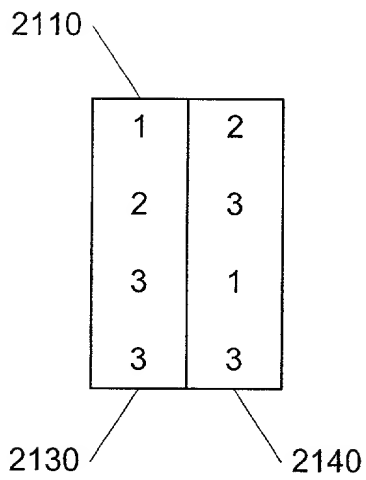
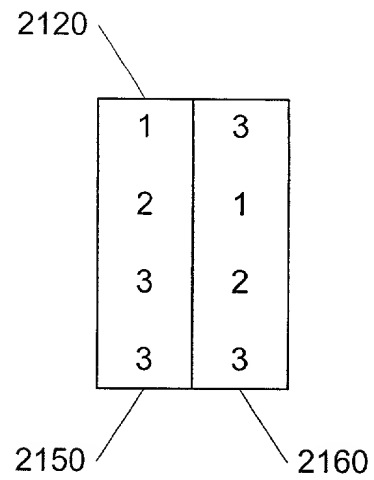


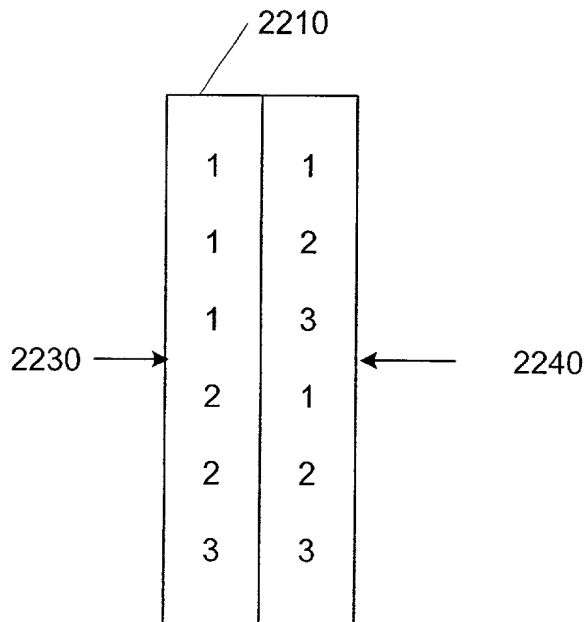
FIG. 20B



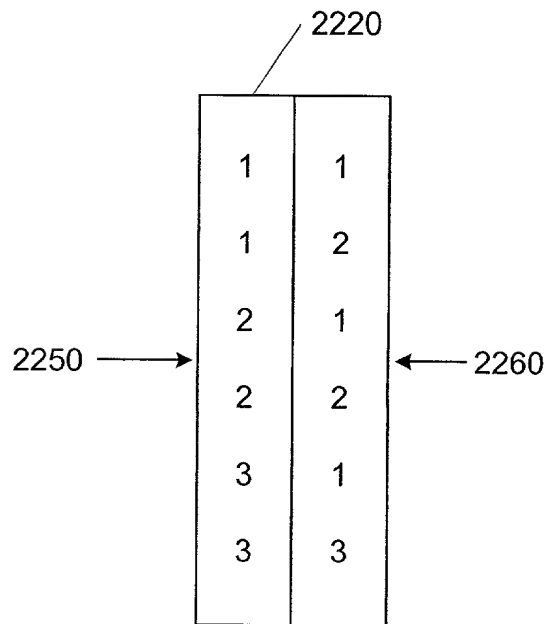
**FIG. 21A**



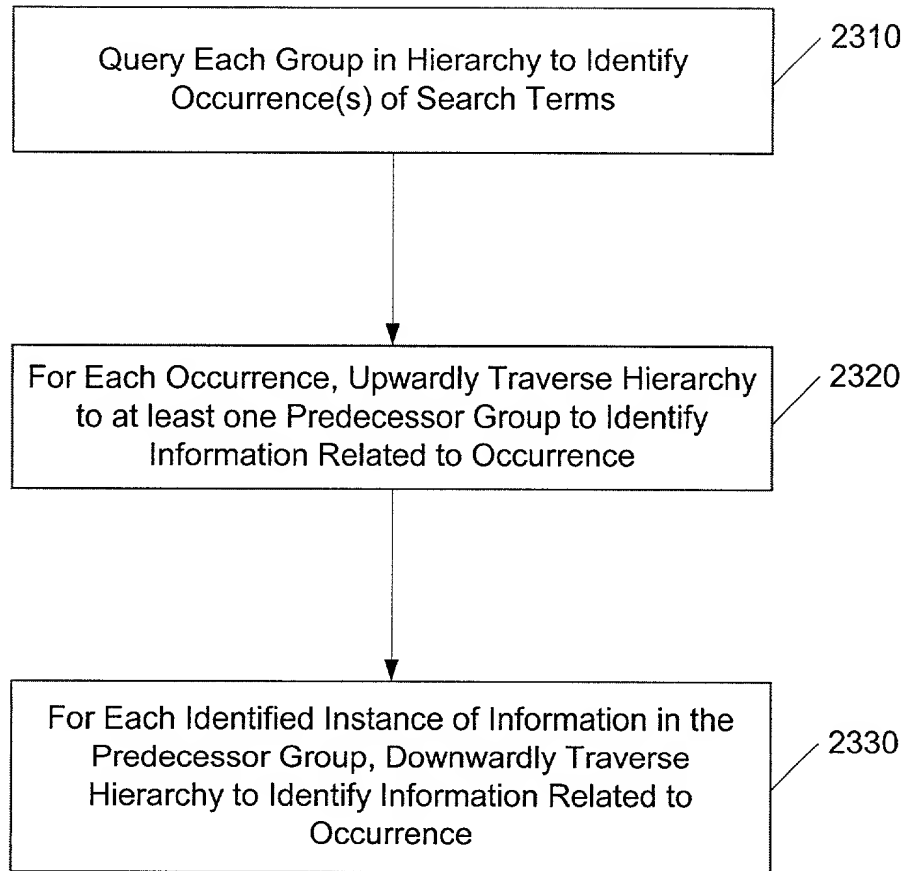
**FIG. 21B**



**FIG. 22A**



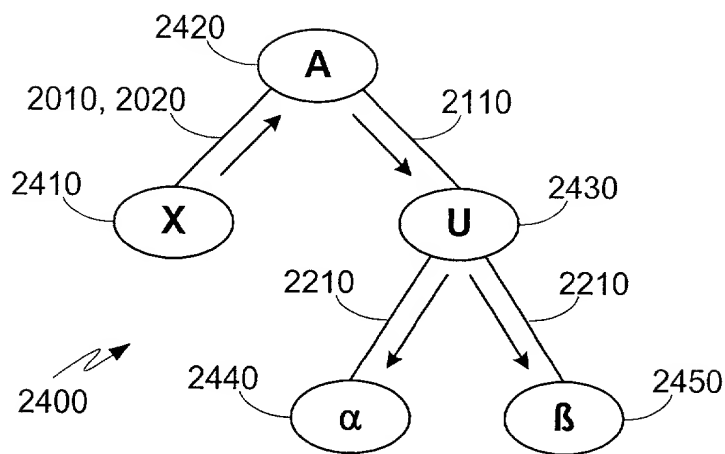
**FIG. 22B**



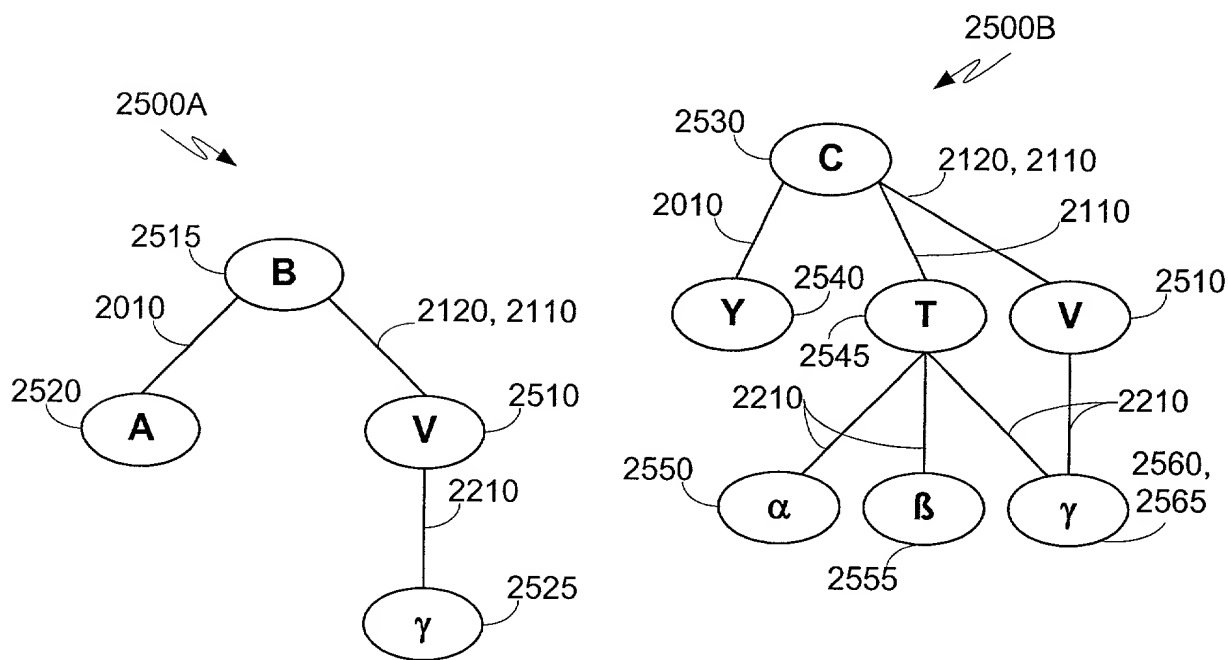
2300

**FIG. 23**





**FIG. 24**



**FIG. 25**